

Amendments to the Specification:

On page 1, after line 2 (title), please add the following sentence:

-- This application is the U.S. national stage application of International Application PCT/IB2002/003253, filed August 14, 2002, designating the United States. --

On page 1, please amend the paragraph starting at line 6 as follows:

-- The present invention relates to a sensor with cantilever and optical resonator ~~according to the preamble of claim 4 in which the position of the cantilever depends on a parameter to be measured, the optical resonator is formed between two reflecting mirrors and a first mirror is arranged on the cantilever.~~

On page 1, please delete line 11 and substitute the following:

-- Background of the Invention --.

On page 2, please delete line 21 and substitute the following therefor:

-- Summary of the Invention --.

On page 3, please delete line 26 and substitute the following therefor:

-- Description of Various and Preferred Embodiments of the Invention --.

On page 4, please amend the paragraph starting on line 35 as follows:

-- The light reflected from optical resonator 15 is ~~focused~~ focused back into fiber 8 and reaches beamsplitter 7, where it is separated from the incoming light and projected onto an optical detector 16. As it will be clear to a person skilled in the art, the signal measured by ~~optical detector 15~~ optical detector 16 depends on the length of resonator 15 and therefore on the position of cantilever 3, which allows to measure the position and in particular a deflection or torsion of the same. --

On page 5, please amend the paragraph starting on line 7 as follows:

-- The design of the present invention has various advantages. For example, the distance between lens assembly 10 and cantilever 3 can be several 100  $\mu\text{m}$ , which lowers the risk of damaging the optical components as compared to conventional sensors using fibers. ~~It~~ In addition, the parasitic interaction between the cantilever and the optical components is reduced. --